



# ESG Index



The following tables map Apple’s existing disclosures to the Global Reporting Initiative (GRI), the Sustainability Accounting Standards Board (SASB), the Task Force on Climate-related Financial Disclosures (TCFD), and the UN Sustainable Development Goals (SDGs) voluntary disclosure frameworks, as relevant to our business. This document reflects Apple’s work and commitments as of April 2024.

## GRI Index

Disclosure	Description	Location Reference
<b>General Disclosures</b>		
2-1	Organizational details	Apple Inc. Publicly traded corporation Cupertino, CA (headquarters) <a href="#">2023 Form 10-K</a> , Segments, p2
2-2	Entities included in the organization’s sustainability reporting	Apple Inc. and wholly owned subsidiaries
2-3	Reporting period, frequency and contact point	Unless otherwise noted, Apple reports on a fiscal year basis. Apple’s fiscal year is the 52- or 53-week period that ends on the last Saturday of September. Contact point: <a href="mailto:ir@apple.com">ir@apple.com</a>
2-5	External assurance	Third-party external assurance for a number of environmental metrics: <a href="#">2023 Environmental Progress Report</a> , p99–107 RBA’s Validated Assessment Program (VAP) third-party assessment for manufacturing suppliers: <a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> , p24, 26 <a href="#">Conflict Minerals Report</a> , p11 UL Zero Waste to Landfill Standard 2799 for manufacturing suppliers: <a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> , p81 AWS Standard for Water Stewardship 2.0 for manufacturing suppliers: <a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> , p85 <a href="#">Annual Green Bond Impact Report: Fiscal Year 2022 Update</a> , p12–21 ISO 27001 and 27018: <a href="#">Apple internet services security certifications</a> <a href="#">Ethics and Compliance</a> , Due Diligence and Monitoring

*The index does not cover all information about our business. References in this index to information should not be construed as a characterization regarding the materiality of such information. The information covered by the index contains forward-looking statements. These statements involve risks and uncertainties, and actual results may differ materially from any future results expressed or implied by the forward-looking statements. Please refer to our most recent periodic reports on Form 10-K and Form 10-Q and subsequent filings with the Securities and Exchange Commission for additional information about our business.*

Disclosure	Description	Location Reference
2-6	Activities, value chain and other business relationships	<a href="#">2023 Form 10-K</a> <ul style="list-style-type: none"> <li>• Full report</li> <li>• Markets and Distribution, p2</li> <li>• Supply of Components, p3</li> </ul> <a href="#">2024 Proxy Statement</a> , Corporate Governance, p19–27 <a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> <a href="#">Supplier List</a> <a href="#">Smelter and Refiner List</a>
2-7	Employees	<a href="#">2023 Form 10-K</a> , Human Capital, p4 <a href="#">Apple Inclusion &amp; Diversity</a>
2-9	Governance structure and composition	<a href="#">2024 Proxy Statement</a> <ul style="list-style-type: none"> <li>• Proxy Statement Summary, p11–17</li> <li>• Corporate Governance, p19–27</li> <li>• Our Corporate Governance Framework, p20</li> <li>• Directors, p29–39</li> <li>• Executive Officers, p41–42</li> </ul>
2-10	Nomination and selection of the highest governance body	<a href="#">2024 Proxy Statement</a> <ul style="list-style-type: none"> <li>• Nominating Committee, p22</li> <li>• Director Selection and Evaluation, p31</li> </ul>
2-11	Chair of the highest governance body	<a href="#">2024 Proxy Statement</a> <ul style="list-style-type: none"> <li>• Board and Committee Structure, p21</li> <li>• Chair of the Board, p34</li> </ul>
2-12	Role of the highest governance body in overseeing the management of impacts	<a href="#">2024 Proxy Statement</a> <ul style="list-style-type: none"> <li>• Board and Committee Structure, p21</li> <li>• Nominating Committee, p22</li> <li>• Board Oversight, p23</li> <li>• Selected Areas of Oversight, p24–25</li> </ul>
2-13	Delegation of responsibility for managing impacts	<a href="#">2024 Proxy Statement</a> <ul style="list-style-type: none"> <li>• Selected Areas of Oversight, p24–25</li> <li>• Annual Assessment of Apple Values and Key Community Initiatives, p56–57</li> </ul>
2-14	Role of the highest governance body in sustainability reporting	<a href="#">2024 Proxy Statement</a> , Selected Areas of Oversight, p24–25

Disclosure	Description	Location Reference
2-15	Conflicts of interest	<a href="#">2024 Proxy Statement</a> , Board Independence, p21 <a href="#">Business Conduct Policy</a> , Avoiding Conflicts of Interest, p10
2-16	Communication of critical concerns	<a href="#">Apple Global Whistleblowing Policy</a> <a href="#">2024 Proxy Statement</a> , Board Oversight, p23
2-17	Collective knowledge of the highest governance body	<a href="#">2024 Proxy Statement</a> , Nominee Skills and Demographic Matrix, p32–33
2-18	Evaluation of the performance of the highest governance body	<a href="#">2024 Proxy Statement</a> , Director Selection and Evaluation, p31
2-19	Remuneration policies	<a href="#">2024 Proxy Statement</a> , Executive Compensation, p43–72
2-20	Process to determine remuneration	<a href="#">2024 Proxy Statement</a> , Executive Compensation, p43–72
2-21	Annual total compensation ratio	<a href="#">2024 Proxy Statement</a> , CEO Pay Ratio 2023, p72
2-23	Policy commitments	<a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> , Aligning with the United Nations Guiding Principles on Business and Human Rights, p93–94 <a href="#">Human Rights Policy</a> <a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"><li>• Our environmental strategy, p5</li><li>• Goals, p6</li></ul> <a href="#">2024 Proxy Statement</a> <ul style="list-style-type: none"><li>• Apple Values, p8</li><li>• Progress Across our Values, p9</li><li>• Corporate Governance, p19–22</li><li>• Annual Assessment of Apple Values and Key Community Initiatives, p56–57</li></ul> <a href="#">2022 Statement on Efforts to Combat Modern Slavery in Our Business and Supply Chains</a> , p6–8
2-25	Processes to remediate negative impacts	<a href="#">Human Rights Policy</a>
2-26	Mechanisms for seeking advice and raising concerns	<a href="#">Ethics and Compliance</a> , Speak Up <a href="#">Business Conduct Policy</a> , Reporting a Concern, p4 <a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> , Labor and Human Rights, p32–43
2-28	Membership associations	Trade associations that Apple belongs to through its government affairs group are listed on the Apple <a href="#">Public Policy Advocacy</a> page. For others, see <a href="#">2023 Environmental Progress Report</a> and <a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> . <a href="#">2023 CDP Climate</a> , C12.3b

Disclosure	Description	Location Reference
2-29	Approach to stakeholder engagement	<a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> , Partnerships, p28–31 <a href="#">2023 Environmental Progress Report</a> , p5, 10, 29, 63, 67–73 <a href="#">2023 CDP Climate</a> , C12.1, C12.1a, C12.2, C12.2a, C12.3, C12.3a, C12.3b, C12.3c <a href="#">2022 Statement on Efforts to Combat Modern Slavery in Our Business and Supply Chains</a> , p6, 14 <a href="#">Conflict Minerals Report</a> , p4, 5, 7 <a href="#">Apple's Transparency Report</a> <a href="#">2024 Proxy Statement</a> , Shareholder Engagement, p15, 20
2-30	Collective bargaining agreements	<a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> , Labor and Human Rights, p32–43 <a href="#">Supplier Code of Conduct and Supplier Responsibility Standards</a> , p4, 75
<b>Material Topics</b>		
<b>3</b>	<b>Material Topics 2021</b>	
3-1	Process to determine material topics	<a href="#">2024 Proxy Statement</a> , Board Oversight, p23
3-2	List of material topics	<a href="#">2023 Form 10-K</a> , Item 1A. Risk Factors, p5–16
3-3	Management of material topics	<a href="#">2023 Form 10-K</a> , Item 1A. Risk Factors, p5–16
<b>Economic Topics</b>		
<b>201</b>	<b>Economic Performance 2016</b>	
201-1	Direct economic value generated and distributed	<a href="#">2023 Form 10-K</a> <ul style="list-style-type: none"> <li>Consolidated Statements of Operations, p28</li> <li>Note 11, p45–46</li> </ul> <a href="#">Job creation and economic contributions of App Store ecosystem</a>
201-2	Financial implications and other risks and opportunities due to climate change	<a href="#">2023 CDP Climate</a> , C2.3, C2.3a, C2.4, C2.4a <a href="#">2023 Form 10-K</a> , p5–6
<b>203</b>	<b>Indirect Economic Impacts 2016</b>	
203-1	Infrastructure investments and services supported	<a href="#">Commitment to combat the housing crisis in California</a> <a href="#">Apple commits \$430 billion in U.S. investments over five years</a> We donate to nonprofits and other organizations with which we partner to support specific initiatives, as well as directly to organizations supporting our objectives to accelerate social change, strengthen communities, and amplify Apple's values. We empower employees to contribute to the causes they care about, and we multiply their efforts by matching their donations of time, money, eligible stock, or Apple products to qualified organizations.
203-2	Significant indirect economic impacts	<a href="#">Job creation and economic contributions of App Store ecosystem</a> <a href="#">Apple commits \$430 billion in U.S. investments over five years</a>

Disclosure	Description	Location Reference
<b>205</b>	<b>Anti-corruption 2016</b>	
205-2	Communication and training about anti-corruption policies and procedures	<a href="#">Ethics and Compliance</a> , Training <a href="#">Apple Anti-Corruption Policy</a> <a href="#">Business Conduct Policy</a> , Bribery and Corruption, p16
<b>206</b>	<b>Anti-competitive Behavior 2016</b>	
206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	When relevant, see Part I, Item 3, and Part II, Item 8, in Note 10 in our annual report on Form 10-K. Our annual reports on Form 10-K and quarterly reports on Form 10-Q are available at <a href="https://investor.apple.com/investor-relations/sec-filings/default.aspx">investor.apple.com/investor-relations/sec-filings/default.aspx</a> .
<b>207</b>	<b>Tax 2019</b>	
207-1	Approach to tax	<a href="#">UK Tax Policy</a> <a href="#">Apple commits \$430 billion in U.S. investments over five years</a>
207-2	Tax governance, control, and risk management	<a href="#">Audit and Finance Committee Charter</a> <a href="#">2024 Proxy Statement</a> , Board Oversight, p23–25
207-3	Stakeholder engagement and management of concerns related to tax	<a href="#">2024 Proxy Statement</a> , Shareholder Engagement, p15, 20
<b>Environmental Topics</b>		
<b>301</b>	<b>Materials 2016</b>	
301-1	Materials used by weight or volume	<a href="#">2023 Environmental Progress Report</a> , Appendix D: Assurance and review statements, p99–107 <a href="#">Product Environmental Reports</a>
301-2	Recycled input materials used	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>• Low-carbon design, p14–16</li> <li>• Materials, p34–47</li> <li>• Assurance statements, fiber and plastic footprints, p106–107</li> </ul> <a href="#">Material Impact Profiles</a> <a href="#">Annual Green Bond Impact Report: Fiscal Year 2022 Update</a> , p5
301-3	Reclaimed products and their packaging materials	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>• Packaging, p39–40</li> <li>• Refurbishing, p43</li> <li>• Material and parts reuse, p43</li> <li>• Zero waste, p52–54</li> </ul>

Disclosure	Description	Location Reference
<b>302</b>	<b>Energy 2016</b>	
302-1	Energy consumption within the organization	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>• Energy efficiency, p17–18</li> <li>• Clean electricity, p20–24</li> <li>• Appendix A: Apple’s environmental data, p76–84</li> <li>• Appendix B: Corporate facilities energy supplement, p85–93</li> </ul>
302-2	Energy consumption outside of the organization	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>• Appendix A: Apple’s environmental data, p76–84</li> <li>• Appendix B: Corporate facilities energy supplement, p85–93</li> </ul> <a href="#">2023 CDP Climate</a> , C6.5
302-4	Reduction of energy consumption	<a href="#">2023 Environmental Progress Report</a> , Energy efficiency, p17–18
302-5	Reductions in energy requirements of products and services	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>• Low-carbon design, p14–16</li> <li>• Energy efficiency, p17–18</li> </ul> <a href="#">Product Environmental Reports</a>
<b>303</b>	<b>Water and Effluents 2018</b>	
303-1	Interactions with water as a shared resource	<a href="#">2023 Environmental Progress Report</a> , Water, p48–51 <a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> , Water Stewardship, p82–85
303-2	Management of water discharge-related impacts	<a href="#">2023 Environmental Progress Report</a> , Water, p48–51
303-3	Water withdrawal	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>• Water, p48–51 and End notes, p114</li> <li>• Appendix A: Apple’s environmental data, p76–84</li> </ul>
303-4	Water discharge	<a href="#">2023 Environmental Progress Report</a> , Low-water design, p49
303-5	Water consumption	<a href="#">2023 Environmental Progress Report</a> , Water, p48–51
<b>304</b>	<b>Biodiversity 2016</b>	
304-3	Habitats protected or restored	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>• Conservation, nature-based solutions and carbon removal, p27–28</li> <li>• Packaging, p39–40</li> </ul> <a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> , Salmon Gold project, p75 <a href="#">2023 CDP Climate</a> , C15.1, C15.2, C15.3, C15.5, C15.7

Disclosure	Description	Location Reference
<b>305</b>	<b>Emissions 2016</b>	
305-1	Direct (Scope 1) GHG emissions	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>Appendix A: Apple's environmental data, p76–84</li> <li>Appendix B: Corporate facilities energy supplement, p85–93</li> </ul> <a href="#">2023 CDP Climate</a> , C5.1, C6.1, C6.4, C6.4a, C6.7, C7.1, C7.1a, C7.2, C7.3, C7.3a, C7.9, C7.9a,
305-2	Energy indirect (Scope 2) GHG emissions	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>Appendix A: Apple's environmental data, p76–84</li> <li>Appendix B: Corporate facilities energy supplement, p85–93</li> </ul> <a href="#">2023 CDP Climate</a> , C5.1, C5.1b, C5.1c, C6.2, C6.3, C6.4, C6.4a, C6.7, C7.5, C7.6, C7.6a, C7.9, C7.9a, C7.9b
305-3	Other indirect (Scope 3) GHG emissions	<a href="#">2023 Environmental Progress Report</a> , Appendix A: Apple's environmental data, p76–84 <a href="#">2023 CDP Climate</a> , C5.1, C6.5, C6.7
305-4	GHG emissions intensity	<a href="#">2023 CDP Climate</a> , C6.10
305-5	Reduction of GHG emissions	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>Apple's comprehensive carbon footprint, p11</li> <li>Progress toward net-zero emissions, p12–13</li> <li>Low-carbon design, p14–16</li> </ul>
<b>306</b>	<b>Waste 2020</b>	
306-2	Management of significant waste-related impacts	<a href="#">2023 Environmental Progress Report</a> , Appendix A: Apple's environmental data, p76–84
306-3	Waste generated	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>Zero waste, p52–54</li> <li>Appendix A: Resources, p83</li> </ul>
306-4	Waste diverted from disposal	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>Zero waste, p52–54</li> <li>Appendix A: Resources, p83</li> </ul>
<b>308</b>	<b>Supplier Environmental Assessment 2016</b>	
308-1	New suppliers that were screened using environmental criteria	<a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> <ul style="list-style-type: none"> <li>Upholding the highest standards, p14–16</li> <li>Supplier engagement and accountability, p17–27</li> </ul>
308-2	Negative environmental impacts in the supply chain and actions taken	<a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> <ul style="list-style-type: none"> <li>Leading the industry toward greater worker protection, p55</li> <li>Materials and resources, p62–85</li> <li>Climate, p66–90</li> </ul>



Disclosure	Description	Location Reference
<b>Social Topics</b>		
<b>401</b>	<b>Employment 2016</b>	
401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	<a href="#">Apple Benefits</a>
401-3	Parental leave	<a href="#">Apple Benefits</a>
<b>403</b>	<b>Occupational Health and Safety 2018</b>	
403-1	Occupational health and safety management system	<a href="#">Environment, Health and Safety Policy</a>
403-6	Promotion of worker health	<a href="#">Environment, Health and Safety Policy</a>
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	<a href="#">Environment, Health and Safety Policy</a> <a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> , Health, Safety, and Wellness, p44–56
<b>404</b>	<b>Training and Education 2016</b>	
404-1	Average hours of training per year per employee	All employees are required to take an annual scenario-based online business conduct training that is updated each year. In 2022, 98 percent of employees completed business conduct. And employees spent 362,000 hours taking 720,000 Apple-recommended and required training courses.
404-2	Programs for upgrading employee skills and transition assistance programs	<a href="#">Apple Benefits</a>
<b>405</b>	<b>Diversity and Equal Opportunity 2016</b>	
405-1	Diversity of governance bodies and employees	<a href="#">2024 Proxy Statement</a> <ul style="list-style-type: none"> <li>Nominees to Apple’s Board of Directors, p14</li> <li>Board Composition and Refreshment, p30</li> <li>Nominee Skills and Demographic Matrix, p32–33</li> <li>Executive Officers, p41–42</li> </ul> <a href="#">Apple Inclusion &amp; Diversity</a>
405-2	Ratio of basic salary and remuneration of women to men	<a href="#">Apple Inclusion &amp; Diversity</a> <a href="#">2021-2022 UK Gender Pay Gap Report</a> Since 2017, Apple has achieved and maintained gender pay equity for our employees worldwide. In the U.S., we’ve also achieved pay equity with respect to race and ethnicity — as well as pay equity at the intersections of race and ethnicity with gender (achieved in 2022).

Disclosure	Description	Location Reference
<b>412</b>	<b>Human Rights Assessment 2016</b>	
412-1	Operations that have been subject to human rights reviews or impact assessments	<a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> <ul style="list-style-type: none"> <li>• Supplier Performance and Development, p24–27</li> <li>• Labor and Human Rights, p32–43</li> <li>• Aligning with the United Nations Guiding Principles on Business and Human Rights, p93–94</li> </ul> <a href="#">2022 Statement on Efforts to Combat Modern Slavery in Our Business and Supply Chains</a> <a href="#">Conflict Minerals Report</a> <a href="#">Privacy Governance</a> <a href="#">Apple's Transparency Report</a>
412-2	Employee training on human rights policies or procedures	<a href="#">Apple Human Rights Policy</a> , p2 <a href="#">Ethics and Compliance</a> , Training <a href="#">Business Conduct Policy</a> <a href="#">2022 Statement on Efforts to Combat Modern Slavery in Our Business and Supply Chains</a> , p12–13
412-3	Significant investment agreements and contracts that include human rights clauses or that underwent human rights screening	<a href="#">Supplier Code of Conduct and Supplier Responsibility Standards</a> <a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> , Our Supply Chain, p11–31
<b>413</b>	<b>Local Communities 2016</b>	
413-1	Operations with local community engagement, impact assessments, and development programs	<a href="#">Racial Equity and Justice Initiative</a> <a href="#">Racial Equity and Justice Impact Overview</a> <a href="#">Apple Impact Accelerator</a> <a href="#">Education Initiative site</a> <a href="#">Apple Entrepreneur Camp</a> <a href="#">Commitment to combat the housing crisis in California</a>
<b>414</b>	<b>Supplier Social Assessment 2016</b>	
414-1	New suppliers that were screened using social criteria	<a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> <ul style="list-style-type: none"> <li>• Upholding the highest standards, p14–16</li> <li>• Supplier engagement and accountability, p17–27</li> </ul>
414-2	Negative social impacts in the supply chain and actions taken	<a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> <ul style="list-style-type: none"> <li>• Supplier engagement and accountability, p17–27</li> <li>• Aligning with the United Nations Guiding Principles on Business and Human Rights, p93–94</li> </ul>

Disclosure	Description	Location Reference
<b>415</b>	<b>Public Policy 2016</b>	
415-1	Political contributions	<a href="#">Public Policy Advocacy</a> <a href="#">Political Contributions</a> <a href="#">Business Conduct Policy</a> <ul style="list-style-type: none"> <li>• Political Contributions, p13</li> <li>• Personal Political Activities, p13</li> </ul>
<b>416</b>	<b>Customer Health and Safety 2016</b>	
416-1	Assessment of the health and safety impacts of product and service categories	<a href="#">2023 Environmental Progress Report</a> , Smarter Chemistry, p56–66 <a href="#">Apple Regulated Substances Specification</a> <a href="#">Restricted Chemicals for Wearables</a> <a href="#">Adapter and Power Cord Safety and Reliability</a> <a href="#">iPhone Battery Safety</a> <a href="#">Parental Controls</a> <a href="#">Emergency SOS on iPhone</a>

# SASB Index

The SASB Standards, now managed by the International Sustainability Standards Board (ISSB) of the IFRS Foundation, consider “Hardware” to be Apple’s primary industry. We have also included select metrics from the Software & IT Services and Internet Media & Services standards to better align with our business.

Disclosure	Description	Reference
<b>Product Security</b>		
TC-HW-230a.1	Description of approach to identifying and addressing data security risks in products	<a href="#">Apple Platform Security</a> <a href="#">2023 Form 10-K</a> , Business Risks, p11, 14 <a href="#">2024 Proxy Statement</a> , Selected Areas of Oversight, p24–25
<b>Recruiting &amp; Managing a Global, Diverse &amp; Skilled Workforce</b>		
TC-HW-330a.1	Percentage of gender and racial/ethnic group representation for (1) management, (2) technical staff, and (3) all other employees	<a href="#">Apple Inclusion &amp; Diversity</a>
TC-IM-330a.3		
<b>Product Lifecycle Management</b>		
TC-HW-410a.1	Percentage of products by revenue that contain IEC 62474 declarable substances	<a href="#">Apple Environment Answers</a> : What is REACH?
TC-SC-410a.1		<a href="#">Apple Regulated Substances Specification</a>
TC-HW-410a.2	Percentage of eligible products, by revenue, meeting the requirements for EPEAT registration or equivalent	<a href="#">2023 Environmental Progress Report</a> , Product energy efficiency, p16
TC-HW-410a.3	Percentage of eligible products, by revenue, meeting ENERGY STAR® criteria	<a href="#">2023 Environmental Progress Report</a> , Product energy efficiency, p16
TC-HW-410a.4	Weight of end-of-life products and e-waste recovered, percentage recycled	<a href="#">2023 Environmental Progress Report</a> , Product take-back, p41–46
<b>Supply Chain Management</b>		
TC-HW-430a.1	Percentage of Tier 1 supplier facilities audited in the RBA Validated Audit Process (VAP) or equivalent, by (a) all facilities and (b) high-risk facilities	Apple conducts audits and supplier assessments deep into its supply chain, including manufacturing sites, AppleCare contact centers, logistics sites, distribution centers, Apple Store locations, and identified tin, tantalum, gold, cobalt, and other mineral smelters and refiners, recyclers, and beyond. Since 2007, Apple-managed assessments have covered 94 percent of our direct manufacturing spend.  <a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> , Supplier Performance and Development, p24–27
TC-HW-430a.2	Tier 1 suppliers’ (1) non-conformance rate with the RBA Validated Audit Process (VAP) or equivalent, and (2) associated corrective action rate for (a) priority non-conformances and (b) other non-conformances	<a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> , Supplier Performance and Development, p24–27

Disclosure	Description	Reference
<b>Materials Sourcing</b>		
TC-HW-440a.1 TC-SC-440a.1	Description of the management of risks associated with the use of critical materials	<a href="#">Conflict Minerals Report</a> <a href="#">2022 Statement on Efforts to Combat Modern Slavery in Our Business and Supply Chains</a> , p7 <a href="#">People and Environment in Our Supply Chain: 2023 Annual Progress Report</a> <ul style="list-style-type: none"> <li>Responsible sourcing of materials, p71–77</li> <li>Smarter chemistry, p53–56</li> </ul> <a href="#">Apple Material Impact Profiles</a> <a href="#">Apple Regulated Substances Specification</a>
<b>Activity Metric</b>		
TC-HW-000.A	Number of units produced by product category	In November 2018, Apple announced it would no longer provide unit sales data for iPhone, iPad, and Mac. Apple discloses net sales for Products and Services by category: <a href="#">2023 Form 10-K</a> , Products and Services Performance, p22
<b>Environmental Footprint of Hardware Infrastructure</b>		
TC-IM-130a.1 TC-SC-130a.1 TC-SI-130a.1	(1) Total energy consumed, (2) percentage grid electricity, (3) percentage renewable	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>Appendix A: Apple’s environmental data, p76–84</li> <li>Appendix B: Corporate facilities energy supplement, p85–93</li> </ul> <a href="#">2023 CDP Climate</a> , C8.2a
TC-IM-130a.2 TC-SI-130a.2	(1) Total water withdrawn, (2) total water consumed, percentage of each in regions with High or Extremely High Baseline Water Stress	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>Water, p48–51</li> <li>Appendix A: Apple’s environmental data, p76–84</li> </ul>
TC-IM-130a.3 TC-SI-130a.3	Discussion of the integration of environmental considerations into strategic planning for data center needs	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>Energy efficiency, p17–18</li> <li>Clean electricity, p20–24</li> <li>A focus on data centers, p89–92</li> </ul> <a href="#">Annual Green Bond Impact Report: Fiscal Year 2022 Update</a> , p7–9

Disclosure	Description	Reference
<b>Data Privacy, Advertising Standards &amp; Freedom of Expression</b>		
TC-IM-220a.1 TC-SI-220a.1	Description of policies and practices relating to behavioral advertising and user privacy	<a href="#">Privacy site</a> <a href="#">Apple Privacy Policy</a> <a href="#">Apple Advertising &amp; Privacy</a> <a href="#">Data &amp; Privacy</a> across products & services <a href="#">A Day in the Life of Your Data</a> <a href="#">Building a Trusted Ecosystem for Millions of Apps</a> <a href="#">Account and Data Deletion</a>
TC-IM-220a.2 TC-SI-220a.2	Number of users whose information is used for secondary purposes	<a href="#">Apple Privacy Policy</a>
TC-IM-220a.3 TC-SI-220a.3	Total amount of monetary losses as a result of legal proceedings associated with user privacy	When relevant, see Part I, Item 3, and Part II, Item 8, in Note 10 in our annual report on Form 10-K. Our annual reports on Form 10-K and quarterly reports on Form 10-Q are available at <a href="https://investor.apple.com/investor-relations/sec-filings/default.aspx">investor.apple.com/investor-relations/sec-filings/default.aspx</a> .
TC-IM-220a.4 TC-SI-220a.4	(1) Number of law enforcement requests for user information, (2) number of users whose information was requested, (3) percentage resulting in disclosure	<a href="#">Apple's Transparency Report</a>
TC-IM-220a.5 TC-SI-220a.5	List of countries where core products or services are subject to government-required monitoring, blocking, content filtering, or censoring	<a href="#">Apple's Transparency Report</a> provides information regarding government and private party requests for customer data as well as requests relating to app and content removal.
TC-IM-220a.6	Number of government requests to remove content, percentage compliance with requests	<a href="#">Apple's Transparency Report</a>
<b>Data Security</b>		
TC-IM-230a.2 TC-SI-230a.2	Description of approach to identifying and addressing data security risks, including use of third-party cybersecurity standards	<a href="#">Privacy Governance</a> <a href="#">2023 Form 10-K</a> , Business Risks, p11, 14

Disclosure	Description	Reference
<b>Intellectual Property Protection &amp; Competitive Behavior</b>		
TC-SC-520a.1	Total amount of monetary losses as a result of legal proceedings associated with anti-competitive behavior regulations	When relevant, see Part I, Item 3, and Part II, Item 8, in Note 10 in our annual report on Form 10-K. Our annual reports on Form 10-K and quarterly reports on Form 10-Q are available at <a href="https://investor.apple.com/investor-relations/sec-filings/default.aspx">investor.apple.com/investor-relations/sec-filings/default.aspx</a> .
TC-SI-520a.1		
TC-IM-520a.1		
<b>Activity Metric</b>		
TC-IM-000.A	Entity-defined measure of user activity	Product and Services net sales are disclosed in Apple's annual 10-K filing: <a href="#">2023 Form 10-K</a> , Products and Services Performance, p22
<b>Managing Systemic Risks from Technology Disruptions</b>		
TC-SI-550a.2	Description of business continuity risks related to disruptions of operations	<a href="#">2023 Form 10-K</a> , Item 1A. Risk Factors, p5–16

# TCFD Index

Disclosure		Location
<b>Governance</b>		
Governance: A	(A) Describe the board's oversight of climate-related risks and opportunities.	<a href="#">2023 CDP Climate</a> , C1.1, C1.1a <a href="#">2024 Proxy Statement</a> , Board Oversight, p23–24 <a href="#">Nominating and Corporate Governance Committee Charter</a>
Governance: B	(B) Describe management's role in assessing and managing climate-related risks and opportunities.	<a href="#">2023 CDP Climate</a> , C1.1, C1.1a <a href="#">2024 Proxy Statement</a> <ul style="list-style-type: none"> <li>Board Oversight, p23–24</li> <li>Annual Assessment of Apple Values and Key Community Initiatives, p56–57</li> </ul> <a href="#">Apple Environment Answers: Who Leads Environmental Efforts?</a>
<b>Strategy</b>		
Strategy: A	(A) Describe the climate-related risks and opportunities the organization has identified over the short, medium, and long term.	<a href="#">2023 CDP Climate</a> , C2.3, C2.3a, C2.4, C2.4a
Strategy: B	(B) Describe the impact of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning.	<a href="#">2023 CDP Climate</a> , C2.3, C2.3a, C2.4, C2.4a, C3.2, C3.2a, C3.3, C3.4
Strategy: C	(C) Describe the resilience of the organization's strategy, taking into consideration different climate-related scenarios, including a 2°C or lower scenario.	<a href="#">2023 CDP Climate</a> , C3.1, C3.2, C3.2a, C3.3 <a href="#">2023 Environmental Progress Report</a> , Our approach, p9–10
<b>Risk Management</b>		
Risk Management: A	(A) Describe the organization's processes for identifying and assessing climate-related risks.	<a href="#">2023 CDP Climate</a> , C2.2, C2.2a
Risk Management: B	(B) Describe the organization's processes for managing climate-related risks.	<a href="#">2023 CDP Climate</a> , C2.2
Risk Management: C	(C) Describe how processes for identifying, assessing, and managing climate-related risks are integrated into the organization's overall risk management.	<a href="#">2023 CDP Climate</a> , C2.2



Disclosure		Location
Metrics & Targets		
Metrics & Targets: A	(A) Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>• Climate Change, p7–30</li> <li>• Appendix A: Apple’s environmental data, p76–84</li> <li>• Appendix B: Corporate facilities energy supplement, p85–93</li> </ul> <a href="#">2023 CDP Climate</a> , C4.2, C4.2a
Metrics & Targets: B	(B) Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks.	<a href="#">2023 Environmental Progress Report</a> <ul style="list-style-type: none"> <li>• Apple’s comprehensive carbon footprint, p11</li> <li>• Appendix A: Apple’s environmental data, p76–84</li> </ul> <a href="#">2023 CDP Climate</a> , C6.1, C6.3, C6.5
Metrics & Targets: C	(C) Describe the targets used by the organization to manage climate-related risks and opportunities and performance against targets.	<a href="#">2023 Environmental Progress Report</a> , Climate, p8, 10 <a href="#">2023 CDP Climate</a> , C4.1, C4.1a, C4.2, C4.2a

# UN SDGs Index

UN Sustainable Development Goal	Apple's Supporting Initiatives
<b>Goal 1</b>	
No Poverty	<a href="#">Commitment to combat the housing crisis in California</a> <a href="#">Community Education Initiative</a> <a href="#">Supplier Standards relating to minimum wages and benefits</a> <a href="#">Support for Malala Fund</a> <a href="#">Donations to help alleviate poverty</a>
<b>Goal 2</b>	
Zero Hunger	<a href="#">Donations to food banks and soup kitchens</a>
<b>Goal 3</b>	
Good Health and Well-being	<a href="#">Our work in health</a> <a href="#">Smarter chemistry in our products</a> <a href="#">Benefits to support team member physical and mental health</a> <a href="#">Environmental, health, and safety practices at supplier facilities</a> <a href="#">Support for PRODUCT(RED)</a>
<b>Goal 4</b>	
Quality Education	<a href="#">Our work to support education</a> <a href="#">Racial Equity and Justice Initiative</a> <a href="#">Apple Developer Academy</a> <a href="#">Apple Entrepreneur Camp</a> <a href="#">Supplier programs to promote education and professional development</a> <a href="#">Support for Malala Fund</a>
<b>Goal 5</b>	
Gender Equality	<a href="#">Gender pay equity and diversity policies and programs</a> <a href="#">Efforts to Combat Modern Slavery in Our Business and Supply Chains</a> <a href="#">Supplier Diversity Program</a> <a href="#">Support for Malala Fund</a>

UN Sustainable Development Goal	Apple's Supporting Initiatives
<b>Goal 6</b>	
Clean Water and Sanitation	<a href="#">Apple's water stewardship programs at our facilities and in our supply chain</a> <a href="#">Apple's Restore Fund and support for ecosystem restoration and protection projects</a> <a href="#">Responsible packaging initiatives</a>
<b>Goal 7</b>	
Affordable and Clean Energy	<a href="#">100 percent renewable energy for Apple facilities</a> <a href="#">Supplier Clean Energy Program</a> <a href="#">Supplier Energy Efficiency Program</a> <a href="#">Power for Impact program</a>
<b>Goal 8</b>	
Decent Work and Economic Growth	<a href="#">Job creation and economic contributions of App Store ecosystem</a> <a href="#">Our work to support education</a> <a href="#">Apple Developer Academy</a> <a href="#">Apple Entrepreneur Camp</a> <a href="#">Supplier Diversity Program</a> <a href="#">Racial Equity and Justice Initiative</a> , including <a href="#">Apple's Impact Accelerator</a> <a href="#">Gender pay equity and diversity policies and programs</a> <a href="#">Programs to respect labor and human rights in our manufacturing supply chain</a> <a href="#">Efforts to Combat Modern Slavery in Our Business and Supply Chains</a>
<b>Goal 9</b>	
Industry, Innovation and Infrastructure	<a href="#">Job creation</a> <a href="#">Commitment to combat the housing crisis in California</a> <a href="#">100 percent renewable energy for Apple facilities</a> <a href="#">Supplier Clean Energy Program</a> <a href="#">Apple's R&amp;D investments in and creation of new technology</a>

UN Sustainable Development Goal	Apple's Supporting Initiative
<b>Goal 10</b>	
Reduced Inequalities	<a href="#">Inclusion and Diversity at Apple</a> <a href="#">Racial Equity and Justice Initiative</a> <a href="#">Our work to support education</a> <a href="#">Apple Developer Academy</a> <a href="#">Apple Entrepreneur Camp</a> <a href="#">Accessibility</a> <a href="#">Supplier Diversity Program</a> Training supplier employees <a href="#">on their rights</a> and for <a href="#">professional development</a>
<b>Goal 11</b>	
Sustainable Cities and Communities	<a href="#">Commitment to combat the housing crisis in California</a>
<b>Goal 12</b>	
Responsible Consumption and Production	<a href="#">Transitioning all materials in Apple's products and packaging to recycled and renewable sources</a> <a href="#">Advancing zero waste initiatives at our facilities and in our supply chain</a> <a href="#">Incorporating smarter chemistry in our products</a> <a href="#">Advancing smarter chemistry in manufacturing</a> <a href="#">Product trade-in and recycling programs</a> <a href="#">Responsible sourcing of materials</a> <a href="#">Responsible packaging initiatives</a>
<b>Goal 13</b>	
Climate Action	<a href="#">Our ambitious goals and programs to mitigate climate change</a> , including our commitment to carbon neutrality for all of our products by 2030 <a href="#">Advocating for strong climate change policy</a>
<b>Goal 14</b>	
Life Below Water	Reducing our impact on ocean acidification through our <a href="#">climate change mitigation activities</a> <a href="#">Mangrove conservation</a>

UN Sustainable Development Goal	Apple's Supporting Initiative
<b>Goal 15</b>	
Life on Land	<a href="#">Responsible packaging initiatives</a> <a href="#">Apple's Restore Fund and support for ecosystem restoration and protection projects</a>
<b>Goal 16</b>	
Peace, Justice and Strong Institutions	<a href="#">Racial Equity and Justice Initiative</a> , criminal justice reform <a href="#">Supplier Code of Conduct</a> (anti-corruption and nondiscrimination practices) <a href="#">Business Conduct Policy</a> and practices <a href="#">Our work on privacy</a> <a href="#">Supplier Diversity Program</a> <a href="#">Inclusion and Diversity at Apple</a>
<b>Goal 17</b>	
Partnerships for the Goals	Developing solutions to global challenges is never an easy journey, and it isn't one that can be undertaken alone. We pursue partnerships with organizations around the world to further efforts to make the world better. These partnerships are described throughout this report and on <a href="#">apple.com</a> .